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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/610,478	06/30/2003	Shekoufeh Qawami	ITL.1031US (P16767)	9348	
21906 TROP PRIINE	7590 12/26/2006		EXAMINER		
TROP PRUNER & HU, PC 1616 S. VOSS ROAD, SUITE 750			BATAILLE, PIERRE MICHE		
HOUSTON, TX 77057-2631			ART UNIT	PAPER NUMBER	
			2186		
			MAIL DATE	DELIVERY MODE	
			12/26/2006	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

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Application No.	Applicant(s)		
10/610,478	QAWAMI ET AL.		
Examiner	Art Unit		
Pierre-Michel Bataille	2186		

C Notice o	t Allowability	Examiner	Art Unit			
<i>D'</i> \		Pierre-Michel Bataille	2186 .			
All claims being allowable, Pherewith (or previously maile NOTICE OF ALLOWABILITY	DATE of this communication appe ROSECUTION ON THE MERITS IS d), a Notice of Allowance (PTOL-85) Y IS NOT A GRANT OF PATENT RI by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	olication. If not include will be mailed in due	ed course. THIS		
1. Mail This communication is	responsive to <u>09-11-2006</u> .					
2. Mail The allowed claim(s) i	s/are <u>1-8,10,11,18-24 and 26-33 renu</u>	<u>umbered 1-25</u> .		. •		
	made of a claim for foreign priority un ome* c)	der 35 U.S.C. § 119(a)-(d) or (f).				
1. ☐ Certified of	copies of the priority documents have	been received.				
2. Certified of	copies of the priority documents have	been received in Application No	•			
3. Copies of	the certified copies of the priority doc	cuments have been received in this r	national stage applica	tion from the		
Internation	nal Bureau (PCT Rule 17.2(a)).					
* Certified copies not a	received:		·			
noted below. Failure to tim	NTHS FROM THE "MAILING DATE" (lely comply will result in ABANDONM RIOD IS NOT EXTENDABLE.	of this communication to file a reply of ENT of this application.	complying with the re	quirements		
	HOR DECLARATION must be submi APPLICATION (PTO-152) which give			OTICE OF		
5. CORRECTED DRAWI	NGS (as "replacement sheets") mus	t be submitted.				
(a) including changes	required by the Notice of Draftspers	on's Patent Drawing Review (PTO-	948) attached			
	2) D to Paper No./Mail Date		•			
(b) ☐ including changes Paper No./Mail Da	s required by the attached Examiner's	s Amendment / Comment or in the O	ffice action of			
Identifying indicia such as	the application number (see 37 CFR 1. sheet(s) should be labeled as such in the			back) of		
	r INFORMATION about the depo- comment regarding REQUIREMENT I			Note the		
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Attachment(s) 1. ☐ Notice of References C	Pited (PTO-892)	5. Notice of Informal P	atent Application			
	Patent Drawing Review (PTO-948)					
	-	Paper No./Mail Date				
3. Information Disclosure Paper No./Mail Date _	Statements (PTO/SB/08),	7. 🛛 Examiner's Amendo	nent/Comment			
4. Examiner's Comment F	Regarding Requirement for Deposit	8. 🛭 Examiner's Stateme	8. Examiner's Statement of Reasons for Allowance			
of Biological Material		9.				
			Pierre-Michel Bata Primary Examiner Art Unit: 2186	ille		

U.S. Patent and Trademark Office PTOL-37 (Rev. 08-06)

Application/Control Number: 10/610,478

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DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Please renumbered 2nd occurrence of original "claim 31" as -- claim 32 --.

Please renumber original claim 32 as -- claim 33--.

Allowable Subject Matter

- 2. Claims 1-8, 10-11, and 18-24, and 26-33 are allowed.
- 3. The following is an examiner's statement of reasons for allowance: The present invention features controlling a sense array of memory to sense word group from a first address.

Closed related prior art:

US 2005/0135148 (Chevalier) teaches memory plug having a first terminal in electrical communication with the first conductive array line and a second terminal in electrical communication with one of the second conductive array lines, each memory plug configured to store an element of an information set; and a plurality of sensing circuits each configured in electrical communication with an associated one of the

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second conductive array lines and the memory plugs, so as to substantially simultaneously sense the elements of the information set.

US 2004/0019756 (Perego et al) teaches configuration logic loading first data from the first memory array into the first sense amplifier and substantially simultaneously loads second data from the second memory array into the second sense amplifier in the first memory-access mode.

US 6,212,121 (Ryu et al) teaches system that provides sub-arrays of different sizes and can reduce the number of the sub-arrays and the number of the sense amplifier regions such that maximum current for sensing during simultaneous accesses of multiple arrays can access two sub-arrays with different bit line loadings and avoid simultaneously accessing two sub-arrays having high bit-line loadings.

However, none or the prior art teaches or renders obvious the features of the claims, specifically:

controlling a sense array to sense a second word group from a second address of memory. wherein the second address is at a non-contiguous initial address with respect to a first address: and controlling the sense array to sense a third word group from a third address of the memory, wherein the third word group corresponds to the width of the first and second word groups combined.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Pierre-Michel Bataille whose telephone number is (571) 272-4178. The examiner can normally be reached on Mon-Fri (8:00A to 4:30P).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew M. Kim can be reached on (571) 272-4182. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

> Pierre-Michel Bataille **Primary Examiner**

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